

05/15/03  
05/14 #7



OIIPE

## RAW SEQUENCE LISTING

DATE: 05/15/2003

PATENT APPLICATION: US/10/079,130

TIME: 12:27:58

Input Set : A:\21099.0074U2.SEQ.TXT

Output Set: N:\CRF4\05152003\J079130.raw

4 <110> APPLICANT: Meagher, Richard B.  
 5 Laterza, Vince  
 7 <120> TITLE OF INVENTION: RAPID PRODUCTION OF MONOCLONAL  
 8 ANTIBODIES  
 10 <130> FILE REFERENCE: 21099.0074U2  
 12 <140> CURRENT APPLICATION NUMBER: 10/079,130  
 13 <141> CURRENT FILING DATE: 2002-02-20  
 15 <150> PRIOR APPLICATION NUMBER: 60/270,322  
 16 <151> PRIOR FILING DATE: 2001-02-20  
 18 <160> NUMBER OF SEQ ID NOS: 4  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 681  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =  
 29 synthetic construct  
 31 <400> SEQUENCE: 1  
 32 aagcttgcca ccatgccagg ggggtctagaa gccctcagag ccctgcctct cctcctcttc 60  
 33 ttgtcatagc cctggttgagg tcccgatgc caggccctgc gggtagaagg gggtagaagg 120  
 34 tccctgacgg tgaacttgagg cgaggaggcc cgcctcacct gtgaaaacaa tggcagggaac 180  
 35 cctaataatca catggttggtt cagccttcag tctaacaatca catggccccc agtgccactg 240  
 36 ggtcctggcc agggtagaac agggcagctg ttcttccccg aagtaaaca gaaccacagg 300  
 37 ggttggtact ggtgccaagt gatagaaaac aacatattaa aacgctcctg tggtagttac 360  
 38 ctccgcgtgc gcaatccagt ccctaggccc ttcttggaac tgggggaagg taccagaac 420  
 39 cgcacatca cagcagaagg gatcatcttg ctggttggtg cagtgggtgc agggagcgtg 480  
 40 ctgctattca ggaaacgggt gcaaaatgag aagtttggg tggacatgcc agatgactat 540  
 41 gaagatgaaa atctctatga gggcctgaac cttgatgact gttctatgta tgaggacatc 600  
 42 tccaggggac tccagggcac ctaccaggat gtgggcaacc tccacattgg agatgccag 660  
 43 ctggaaaagc catgagaatt c 681  
 45 <210> SEQ ID NO: 2  
 46 <211> LENGTH: 705  
 47 <212> TYPE: DNA  
 48 <213> ORGANISM: Artificial Sequence  
 50 <220> FEATURE:  
 51 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =  
 52 synthetic construct  
 54 <400> SEQUENCE: 2  
 55 aagcttgcca ccatggccac actggtgctg tcttccatgc cctgccactg gctgttggtc 60  
 56 ctgctgctgc tcttctcagg tgagccggta ccagcaatga caagcagtga cctgccactg 120  
 57 aatttccaag gaagcccttg ttcccagatc tggcagcacc cgaggttggtg agccaaaaag 180  
 58 cggagctcca tggtagaagt tcaactgctac acaaccact caggtgcact gacctggttc 240

ENTERED

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59 cgaaagcgag ggagccagca gccccaggaa ctgggtctcag aagaggggacg cattgtgcag      300
60 acccagaatg gctctgtcta caccctcact atccaaaaca tccagtagca ggataatggt      360
61 atctacttct gcaagcagaa atgtgacagc gcccaaccata atgtcaccga cagctgtggc      420
62 acggaacttc tagtcttagg attcagcacg ttggaccaac tgaagcggcg gaacacactg      480
63 aaagatggca ttatcttgat ccagaccctc ctcatcatcc tcttcatcat tgtgcccac      540
64 ttcttgctac ttgacaagga tgacggcaag gctgggatcg aggaagatca cacctatgag      600
65 ggcttgaaca ttgaccagac agccacctat gaagacatag tgactcttcg gacaggggag      660
66 gtaaagtggg cggtaggaga gcatccaggc caggaatgac tcgag                          705

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68 &lt;210&gt; SEQ ID NO: 3

69 &lt;211&gt; LENGTH: 220

70 &lt;212&gt; TYPE: PRT

71 &lt;213&gt; ORGANISM: Artificial Sequence

73 &lt;220&gt; FEATURE:

74 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:/Note =

75 synthetic construct

77 &lt;400&gt; SEQUENCE: 3

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78 Met Pro Gly Gly Leu Glu Ala Leu Arg Ala Leu Pro Leu Leu Leu Phe
79 1 5 10 15
80 Leu Ser Tyr Ala Cys Leu Gly Pro Gly Cys Gln Ala Leu Arg Val Glu
81 20 25 30
82 Gly Gly Pro Pro Ser Leu Thr Val Asn Leu Gly Glu Glu Ala Arg Leu
83 35 40 45
84 Thr Cys Glu Asn Asn Gly Arg Asn Pro Asn Ile Thr Trp Trp Phe Ser
85 50 55 60
86 Leu Gln Ser Asn Ile Thr Trp Pro Pro Val Pro Leu Gly Pro Gly Gln
87 65 70 75 80
88 Gly Thr Thr Gly Gln Leu Phe Phe Pro Glu Val Asn Lys Asn His Arg
89 85 90 95
90 Gly Leu Tyr Trp Cys Gln Val Ile Glu Asn Asn Ile Leu Lys Arg Ser
91 100 105 110
92 Cys Gly Thr Tyr Leu Arg Val Arg Asn Pro Val Pro Arg Pro Phe Leu
93 115 120 125
94 Asp Met Gly Glu Gly Thr Lys Asn Arg Ile Ile Thr Ala Glu Gly Ile
95 130 135 140
96 Ile Leu Leu Phe Cys Ala Val Val Pro Gly Thr Leu Leu Leu Phe Arg
97 145 150 155 160
98 Lys Arg Trp Gln Asn Glu Lys Phe Gly Val Asp Met Pro Asp Asp Tyr
99 165 170 175
100 Glu Asp Glu Asn Leu Tyr Glu Gly Leu Asn Leu Asp Asp Cys Ser Met
101 180 185 190
102 Tyr Glu Asp Ile Ser Arg Gly Leu Gln Gly Thr Tyr Gln Asp Val Gly
103 195 200 205
104 Asn Leu His Ile Gly Asp Ala Gln Leu Glu Lys Pro
105 210 215 220

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107 &lt;210&gt; SEQ ID NO: 4

108 &lt;211&gt; LENGTH: 228

109 &lt;212&gt; TYPE: PRT

110 &lt;213&gt; ORGANISM: Artificial Sequence

112 &lt;220&gt; FEATURE:

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```

113 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
114     synthetic construct
116 <400> SEQUENCE: 4
117 Met Ala Thr Leu Val Leu Ser Ser Met Pro Cys His Trp Leu Leu Phe
118 1      5      10      15
119 Leu Leu Leu Leu Phe Ser Gly Glu Pro Val Pro Ala Met Thr Ser Ser
120      20      25      30
121 Asp Leu Pro Leu Asn Phe Gln Gly Ser Pro Cys Ser Gln Ile Trp Gln
122      35      40      45
123 His Pro Arg Phe Ala Ala Lys Lys Arg Ser Ser Met Val Lys Phe His
124      50      55      60
125 Cys Tyr Thr Asn His Ser Gly Ala Leu Thr Trp Phe Arg Lys Arg Gly
126 65      70      75      80
127 Ser Gln Gln Pro Gln Glu Leu Val Ser Glu Glu Gly Arg Ile Val Gln
128      85      90      95
129 Thr Gln Asn Gly Ser Val Tyr Thr Leu Thr Ile Gln Asn Ile Gln Tyr
130      100     105     110
131 Glu Asp Asn Gly Ile Tyr Phe Cys Lys Gln Lys Cys Asp Ser Ala Asn
132      115     120     125
133 His Asn Val Thr Asp Ser Cys Gly Thr Glu Leu Leu Val Leu Gly Phe
134      130     135     140
135 Ser Thr Leu Asp Gln Leu Lys Arg Arg Asn Thr Leu Lys Asp Gly Ile
136 145     150     155     160
137 Ile Leu Ile Gln Thr Leu Leu Ile Ile Leu Phe Ile Ile Val Pro Ile
138      165     170     175
139 Phe Leu Leu Leu Asp Lys Asp Asp Gly Lys Ala Gly Met Glu Glu Asp
140      180     185     190
141 His Thr Tyr Glu Gly Leu Asn Ile Asp Gln Thr Ala Thr Tyr Glu Asp
142      195     200     205
143 Ile Val Thr Leu Arg Thr Gly Glu Val Lys Trp Ser Val Gly Glu His
144      210     215     220
145 Pro Gly Gln Glu
146 225

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/079,130

DATE: 05/15/2003

TIME: 12:27:59

Input Set : A:\21099.0074U2.SEQ.TXT

Output Set: N:\CRF4\05152003\J079130.raw